



Main Features

- Single or 2 phase input AC 187...550Vac Wide DC input range 250...725Vdc ٠
- •
- High efficiency and compact size, only 40mm width
- 150% overload capability
- Usable for broad range of industrial, telecom and renewable energy applications



NPSW120 Series 120W Wide Range DIN Rail Switching Power Supply

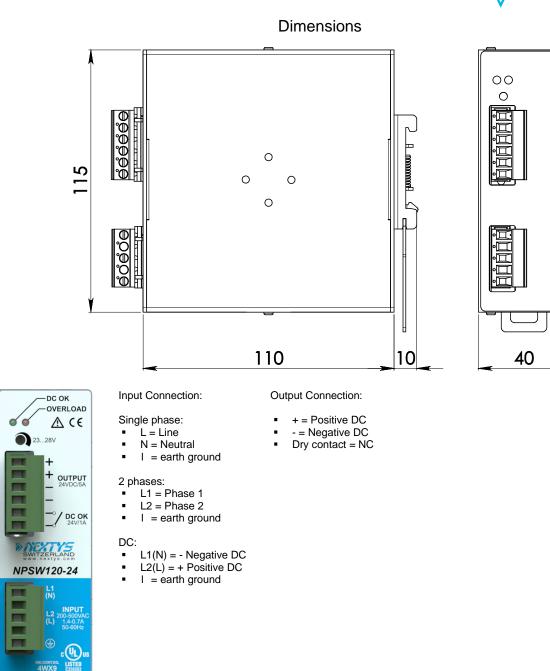


TECHNICAL DATA

lodol typo	NPSW120-12	NPSW120-24	NPSW120-48P
Nodel type DUTPUT DATA	INF 3W 120-12	INF 3W 120-24	INF 3VV 12U-40P
Dutput voltage	1215 Vdc	24 Vdc	48 Vdc
Idj. output voltage range	1215 Vdc	24 Vut	46 Vuc 4555Vdc
J 1 0 0	87A	5A	4555Vuc 2.5A
Continuous current			
Overload limit	> 10A / 30s	> 7.5A / 30s	> 3.75A / 30s
hort circuit peak current	> 20A / 300ms	> 14A / 3	SUUMS
oad regulation	1% 110m/m		
ipple & Noise		110mVpp	
Iold up time		17	
lin = 240 Vac lin = 400 Vac		17ms 60ms	
	 DC OK by green LED 	00113	
Status Signals	 Overload by red LED Overload by red LED Dry contact (1A/30V) 		
Dutput protections	Hiccup at the overload limit with Over temperature Overvoltage	auto reset	
Dutput overvoltage protection	> 18Vdc	> 33Vdc	> 68Vdc
Parallel connection		(P) models include internal ORing circuit	•
NPUT DATA		, ,	
		Nominal: 1-2 Phases, 200500Vac (UL certified)
nput AC rated voltage requency	Range: 187550Vac 4763Hz		
nput DC rated voltage	250725Vdc (300500Vdc UL certified)		
nput AC current		•	
Jin = 240Vac		1.4A	
Jin = 500Vac		0.7A	
nput DC current			
Jin = 250Vdc		0.8A	
lin = 725Vdc		0.3A	
nrush peak current	< 40A		
nternal protection fuse	None, external fuse must be provided		
	Fuse MCB 6A C curve or 6A D curve		
External protection on AC line	It is always the second		ording to local regulations
	It is strongly recommend	ded to provide external surge arresters (SPD) acco	ording to local regulations.
GENERAL DATA		ded to provide external surge arresters (SPD) acco	
GENERAL DATA	> 8184%	ded to provide external surge arresters (SPD) according to according to according to a contract of the second seco	> 86%
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External protection on AC line SENERAL DATA Efficiency Dissipated power Operating temperature	> 8184%	ded to provide external surge arresters (SPD) according to the second se	> 86%
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SENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature	> 8184%	ded to provide external surge arresters (SPD) according to the second se	> 86%
CENERAL DATA Efficiency Dissipated power Diperating temperature Derating Storage temperature Humidity	> 8184%	ded to provide external surge arresters (SPD) according to the second se	> 86%
SENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation	> 8184%	ded to provide external surge arresters (SPD) according to the set of the set	> 86%
CENERAL DATA Efficiency Dissipated power Derating temperature Derating Ctorage temperature Humidity Life time expectation Derevoltage category	> 8184%	ded to provide external surge arresters (SPD) according to the set of the set	> 86%
SENERAL DATA Efficiency Dissipated power Derating temperature Derating Storage temperature Humidity Life time expectation Dervoltage category Pollution degree	> 8184%	ded to provide external surge arresters (SPD) according to the set of the set	> 86%
SENERAL DATA Efficiency Dissipated power Derating temperature Derating Storage temperature Humidity life time expectation Divervoltage category Pollution degree Input / output isolation	> 8184%	> 88% < 17W	> 86%
SENERAL DATA Efficiency Dissipated power Derating Derating Storage temperature Humidity Ife time expectation Dervoltage category Pollution degree Input / output isolation Input / ground isolation	> 8184%	ded to provide external surge arresters (SPD) according to the set of the set	> 86%
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SENERAL DATA Efficiency Dissipated power Derating Derating Storage temperature Humidity Ife time expectation Dervoltage category Pollution degree Input / output isolation Input / ground isolation	> 8184%	> 88% < 17W	> 86%
SENERAL DATA Efficiency Dissipated power Derating Derating Storage temperature Humidity Ife time expectation Derevoltage category Pollution degree Input / output isolation Input / ground isolation Dutput / ground isolation	 > 8184% < 2520W UL508 (certified) UL60950 (certified for NPSW12 	> 88% < 17W	> 86%
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SENERAL DATA (fficiency Dissipated power Derating temperature Derating Storage temperature lumidity ife time expectation Dervoltage category Yolution degree nput / output isolation nput / ground isolation Dutput / ground isolation Stafety Standards CMC Emission MC Immunity Protection degree (bration sinuosoidal shock Connection terminals	 > 8184% < 2520W UL508 (certified) UL60950 (certified for NPSW12 EN60950 (reference) EN55021:2010 (CISPR22) EN55011:2009 /A1:2010 EN61000-4-2:2008 EN61000-4-3:2006 /A2:2010 EN61000-4-3:2014 EN61000-4-3:2014 EN61000-4-11:2004 /A1:2010 EN61000-4-11:2004 /A1:2010 EN60529:1989 /A:2013 IEC 60068-2-6:2007 	> 88% < 17W	> 86% < 19.5W
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1) POSsible at normal votage markeds 2000 more than 1000 more than 10000





(model just for reference)